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MOLCANITO

From: G.A. Grundmann CS6G Corporate Engineering (4-6112)

Date: September 26, 1985 cc: D.R. Bowers CS6G
L.V. Bumbicka 1740
Subj: Project Progress Meetings R.M. Calles CS6G
M.A. Coco Alberici
J. Colling 1740
Re: CEA 3808 - Main South Trunk Sewer R.J. Geile CS6G
E.R. Hartman CS6G
TO: J.J. Beckerle Alberici* P.R. Hoemann 1740
W. Bodine Alberici L.C. Kreh F2ED*
T.N. Carrico 1740* F.A. Mayse CS6G
W.C. Koester Alberici B.W. Steketee 1740
K.W. Lichtenheld CS6G R.L. Wiese CS6G
C.J. Lotz Alberici*
R.L. Nelson 1740* *Present at meeting
K.W. Petterson 1740* **Part time
R.C. Martini 1740*
O.N. Shipley 1740
R. Schlereth Fleischer Seeger**
R.B. Knoll Fleischer Seeger**

Following are minutes of the meeting held at the CED construction trailers on 9/26/85 at 9:30 a.m.

1. Construction Progress

- a. All 19 joints between manholes 2-BB and 2-CC passed the hydro test.
- b. The 11 joints between manholes 2-AA and 2-BB will be tested today.
- c. Backfilling is in progress between manholes 1-EE and 2-AA, 1-DD and 1-EE, and around 1-GG.
- d. Poured manhole 2-CC walls. Will pour manhole 2-EE walls by 9/27.
- e. Poured concrete base from manhole 2-AA to 2-EE (except at end) and small portion remaining just west of 2-CC.
- f. Will install 15" VCP in trench from manhole 2-AA to 2-EE by 9/27/85.
- g. Preparations almost complete for pouring concrete from manholes 2-BB to 2-CC.
- h. Will excavate south of manhole 2-AA for lateral L-63 next week.

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- i. Sample house set and bolted down.
- j. Manhole 1-EE leaked at a hairline crack in the wall. Repairs will be performed.
- k. The pipe from ACL to the north of manhole 1-GG has been encased. The flume is also in place.
- l. Lagging and some piling pulled between manholes 1-EE and 2-AA last Saturday.
- m. Piling was driven for the culvert pipe north of dept. 245 and also east of manhole 2-CC.

2. Internal Manhole Work

- a. Manhole 1-AA. The acid brickwork will be complete on 9/27/85.
- b. Manhole 1-BB. The final furan coat is curing. Brickwork to start 9/30/85.
- c. Manhole 1-CC. The first course of furan has been installed and is curing.
- d. Work will begin on manhole 1-GG on 9/30/85. The next manhole after this will be needed in 2-3 weeks.
- e. The subject of speeding up the internal manhole work was discussed. Fleischer Seeger would always use one crew for the membrane installation work because there is so much curing time involved.

If they were to improve the schedule, they would double the acid brickwork crews.

At this time, this approach is not possible due to unavailable manholes. This approach may be instituted at future critical timing points in the project.

- f. Fleischer Seeger to give Alberici their power requirements for heaters to be used in the manholes so that Alberici can get their electric carts set up.
- g. Nelson requested that Fleischer Seeger see if they can minimize the number of small pieces of brick that are installed around the 42" VCP.

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- h. Since the top row of bricks will not come out to be exactly 8", two smaller lengths of bricks will be used to fill this space. A minimum of a half brick length (4") will be used, e.g., a 9" space would be filled by using a row of 5" bricks and a row of 4" bricks.

The last brick in the circumferential row will be a minimum of one half of the brick thickness.

- i. Any holes in the mortar will be checked for and repaired as the scaffolding is taken down.

3. Jumper T-3

- a. Alberici to order the fittings ASAP since the delivery is approx. 2 weeks.
- b. A CFO needs to be written on the T-3 jumper work to account for any cost differences based on the revised routing. Martini.
- c. Depending on the fittings delivery, work can probably start the 3rd week in October. This date needs to be resolved and given to Nelson so he can advise production.
- d. The procedures for tying in to manholes 4C and 33B need to be finalized. Lichtenheld, Petterson, Martini and Nelson.
- e. Lichtenheld to determine a method (such as pumping) to handle the higher than normal flows during rainstorms. A plug does not appear to be feasible.

4. Dept. 245

- a. Preparations are in place for installing the culvert under track #4 starting 10/1/85. (Completion by 10/11/85).
- b. Nelson to see if track #3 can be out of service for 2 to 10 days. If this is not possible, it may be necessary to work this weekend to get track #8 back in service.
- c. The target time for installing the L-85 lateral is probably late this year. A good time to do this work would be in the winter when the wash track is not being used.
- d. The pump north of dept. 245 has been installed. The water level is low enough so that the culvert pipe can be installed without any problems.

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5. ACL Shutdown

- a. Nelson to find out the earliest possible time the chlorine tracks can be taken out of service before 11/12/85 (if possible).
- b. A CFO has been written for the section of precast pipe to be installed between manholes 1-JJ and 1-D-1 during the ACL shutdown. A procedure for this work to be finalized when Lichtenheld is back the week of 9/30.

6. Miscellaneous

- a. Nelson to review dirt removal with Laidlaw the week of 9/30.
- b. Cleanup in preparation for the upcoming inspection continues. Martini and Alberici.
- c. Nelson and Lichtenheld to work with Alberici to finalize details on the repair procedure to be used to repair the cracked bells on lateral L-35.
- d. Procedures for manholes 1-DD and 2-CC have been given to Alberici to establish timing. Nelson and Lichtenheld making final review.
- e. The flume installation for manhole 2-CC is in progress. Delivery on the FRP pipe is 3 weeks or so. This will delay completion. Alberici to check with several other vendors and push the delivery.
- f. Since the weather is turning colder Alberici will probably need to install heaters in the trench for future joint work.
- g. Alternatives are being reviewed on the manhole 2-FF situation. It may be possible to install a larger pipe between two existing manholes and eliminate manhole 2-FF. Petterson has obtained inverts of manholes. The condition of the manholes also needs to be reviewed. Lichtenheld and Nelson.

Alberici needs to know decision before they form the manhole 2-DD walls in the event we choose to run the pipe from 2-FF to 2-DD.
- h. Experience with the plant sonic device indicates that using it to measure the discharge flows off the dewatering pumps is not feasible. The results on use of this device have been widely erratic.

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Flow sensors and in-line flow meters are being reviewed.

- i. Nelson and Lichtenheld to work up procedure for repair of the hairline crack in manhole 1-EE and give to Alberici.
- j. Information and costs on construction alternates to improve the schedule based on Steketee's letter of 9/12/85 to Bill Koester of Alberici have not yet been received.
- k. Martini to install power to sample house. Crain to furnish.

The next progress meeting will be held on Thursday, October 3 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.


Gordon Grundmann

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